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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,309	09/28/2001	Dirk Kranendonk	25098A	5049
22889 OWENS COR	9 7590 10/18/2007 /ENS CORNING		EXAMINER	
2790 COLUMBUS ROAD			TORRES VELAZO	UEZ, NORCA LIZ
GRANVILLE, OH 43023			ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			10/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 09/966,309 KRANENDONK, DIRK Office Action Summary Examiner Art Unit Norca L. Torres-Velazquez 1794 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 12 July 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-13 and 22-40 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-13 and 22-40 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner, Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SB/00)
 Paper No(s)/Mail Date 22307.

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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1 In view of the Appeal Brief filed on July 12, 2007, PROSECUTION IS HEREBY

REOPENED. New grounds of rejection are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37

CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an

appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee

can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have

been increased since they were previously paid, then appellant must pay the difference between

the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing

below:

/Terrel Morris/

Terrel Morris

Supervisory Patent Examiner

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Claim Rejections - 35 USC § 112

2 The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode

contemplated by the inventor of carrying out his invention.

3 Claims 1 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the

written description requirement. The claim(s) contains subject matter, which was not described

in the specification in such a way as to reasonably convey to one skilled in the relevant art that

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the inventor(s), at the time the application was filed, had possession of the claimed invention.

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Applicants have amended independent claim 1 to further recite the limitation "said continuous

coating being free of random discontinuities that increase porosity and which are susceptible to

creating visible irregularities the surface is roller painted". It is noted that there is no expressed

or implied support in the specification for such limitation.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

4. Claims 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention. It is noted herein that the language indicating that the porosity of the wall

covering is reduced significantly is indefinite because the claim is fails to establish to what is the

reduced porosity compared to... is Applicant trying to refer to a reduction of the porosity of the

non-woven fiber tissue or mat instead? The claim as written indicates that the thermoplastic

polymer coating reduces significantly the porosity of the wall covering, it is not clear if

Applicants are trying to indicate that by providing a thermoplastic polymer coating to a

nonwoven fiber tissue or mat, the final product (the wall covering) would have a reduced

porosity in comparison to a wall covering that do not have the claimed coating? It is noted that

without any parameter that would allow one of ordinary skill in the art to determine what is the

porosity of the claimed material, the claimed "reduced porosity" is indefinite.

5. Claims 8 and 30 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention because the Applicant has not provided copy of procedure used to measure the

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water vapor transmission rate by the DIN Standard 52615.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 23, 36, 40, 3-4, 11-12, 22, 25-26 and 33-34 are rejected under 35 U.S.C. 102(b) as being anticipated by JACKSON (US 5,876,551).

JACKSON teaches a breathable, decorative wall-covering having a smooth, continuous, aesthetically appealing exposed surface which can be printed with a design or pattern having sharply defined edges, and having a relatively high moisture permeability. The wall covering includes a porous polymeric ply fused to a nonwoven substrate ply. The porous polymeric ply is formed by thermally fusing a plastisol coating. The plastisol coating is thick enough to allow the formation of a coating, which upon thermal fusion provides a polymeric ply having a smooth continuous appearance. Upon heating the plastisol coating to a temperature, which is sufficient to cause fusion of resins contained therein, a highly permeable polymeric ply having the appearance of smooth, continuous film is formed. (Abstract) The reference further teaches that suitable resins used in the plastisols generally include a variety of thermoplastic resins, which are capable of fusing and absorbing the plasticizer upon application of heat. (Column 4, lines 62-67) Further, JACKSON teaches the incorporation of titanium oxide, among other components, in the plastisol. (Column 5, lines 27-37) This is equated to the claimed opacifier. It is noted that the plastisol described by JACKSON is a dispersion. With regards to claim 22 and 34, JACKSON further teaches that the plastisol coating is preferably applied at a coating weight of from about 47 grams per square meter to about 155 grams per square meter. (Column 5, lines 52-57) With Application/Control Number: 09/966,309 Page 5

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regards to claims 11 and 12, JACKSON teaches the use of mineral fibers in the nonwoven and also teaches that the area weight of the nonwoven is from about 47 gsm to about 61 gsm). (Column 4, lines 32 and lines 59-61) JACKSON also teaches that the two ply composite wall covering generally have a moisture permeability of from about 25 perms to about 50 perms. (Column 6, lines 42-44) With regards to claim 40, it is noted herein that Applicants describe that a "non-smooth" surface structure is obtained by the addition of mineral fillers to the polymeric matrix material. [0033] JACKSON teaches the inclusion of additives or compounding ingredients such as silicas into the plastisol composition. (Refer to Col. 5, lines 27-37) It is the Examiner's interpretation that the materials disclosed by JACKSON read on those described by Applicant's own Specification as to produce the claimed "non-smooth surface". With regards to claim 23, it is noted that the invention of JACKSON provides for printing the exposed face of the polymeric ply by different methods. (Refer to Col. 6, lines 25-36) Giving the broadest reasonable interpretation to the claimed "layer of paint", the Examiner equates the printed surface of the reference. It is noted that the manner in which the paint is applied is not relevant to the final product being claimed.

It is the Examiner's interpretation that the plastisol taught by JACKSON will read on the presently claimed thermoplastic polymer coating since the plastisol contains thermoplastic resins in a dispersion. The nonwoven substrate ply is equated to the presently claimed nonwoven fiber tissue or mat.

Claim Rejections - 35 USC § 102/103

 Claims 2, 8, 24, 30 and 37 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over JACKSON (US 5.876.551). Art Unit: 1794

JACKSON is silent with respect to the claimed surface tension of the coating surface tension and the water transmission rate. However, it is reasonable to presume that the claimed properties are inherent to the invention of JACKSON et al. Support for said presumption is found in the use of the same starting materials (i.e., fiber matt and thermoplastic polymer coating), like processes of making the articles (i.e., melting polymer of the matt), and the production of similar end-products (i.e., reinforced mineral fiber materials, etc...). The burden is upon the Applicant to prove otherwise. In re Fitzgerald, 205 USPQ 594. In the alternative, the presently claimed function of surface tension and water transmission rate would obviously have been provided as a result of the product of the JACKSON et al. reference. Note In re Best, 195 USPQ 433. Reliance upon inherency is not improper even though rejection is based on Section 103 instead of Section 102. In re Skoner, et al. (CCPA) 186 USPO 80.

Claim Rejections - 35 USC § 103

 Claims 5-7, 9-10, 13, 27-29, 31-32, 35 and 38-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over JACKSON (US 5,876,551) as applied above, and further in view of NUCCI et al. (US 6,265,067 B1).

While JACKSON teaches the use of thermoplastic resins in the plastisols, it fails to teach the use of polymer resins such as low-density polyethylene, high-density polyethylene, polypropylene or combinations of these. The reference further fails to teach the claimed concentration of mineral filler nor a polymeric material composition such as that claimed in claims 13, 35 and 38 of the present invention.

NUCCI et al. relates to a sheet of plastic material which feels like and has at least some of the properties of paper and that can be used to replace stitched multi-wall papers materials. (Col. 1, lines 12-21) The reference teaches that depending on the required properties of the multilayer sheet, the different layers may comprise linear low-density polyethylene, high-density polyethylene, or a mixture thereof. (Col. 2, lines 7-17) Among the compositions disclosed by the reference is that comprising between about 40 to 90 percent polyethylene, about 5-10 weight percent of a pigment and between 5-50 weight percent of a finely granulated material. (Refer to Col. 3, lines 16-35) The reference teaches the use of particulate calcium carbonate dispersed in a high density polyethylene base as the granulated material and teaches the use of titanium dioxide as the pigment. (Refer to Col. 2, lines 7-17)

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the porous polymeric ply composition of JACKSON and provide it with the composition taught by NUCCI et al. with the motivation of producing a surface material that combines some of the properties of both paper sheets (such as oxygen transmission rate, water vapor transmission rate and coefficient of friction) and plastic sheets (such as higher resistance), as taught by NUCCI et al. (Col. 1, lines 1-49)

Response to Arguments

- Applicant's arguments filed July 12, 2007 with regards to the prior art of JACKSON have been fully considered but they are not persuasive.
 - Applicants argue that Jackson does not disclose, teach or otherwise suggest a coating that
 covers the non-woven mat in a continuous fashion and free of random discontinuities, as
 shown in Applicant's Figure 2. Applicants indicate that the Jackson reference discloses a
 material having a surface with intentionally formed "randomly distributed
 discontinuities" and argue that these discontinuities are disadvantageous from the

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standpoint that they would more readily receive any paint roller-applied to the surface and magnify its imperfect, or "irregular" nature. As stated in the previous office action, Figure 2 depicts the layers of the wall covering material, but still are not sufficient to define what is meant by "random discontinuities". The disclosure is silent as to what these discontinuities are (i.e. microscopic or macroscopic discontinuities) With regards to claim 1, the Examiner gives the broadest reasonable interpretation to the claim since the Specification does not preclude the type of microscopic pores taught by JACKSON.

As stated before by the Examiner, the Jackson reference provides a breathable or moisture permeable wall covering having a porous polymeric ply, which is fused to and supported by a nonwoven substrate ply. The porous polymeric ply as a smooth, continuous aesthetically pleasing appearance, while simultaneously achieving a moisture vapor permeability which prevents moisture form being trapped on or within a wall to which the wall covering is applied. More specifically, the porous polymeric ply has a substantially macroscopic-continuity wherein a plurality or multiplicity of miniature or microscopic discontinuities or holes are randomly distributed. (Col. 2, lines 19-32) The Examiner equates such description as providing a continuous layer. It is noted that the present invention does not preclude having micropores, which are necessary in order to provide a material with gas permeability. Nor the specification indicates that the polymeric coating is a monolithic film.

While Figure 2 of the present application does not show "holes" or "pores", it is noted that the presence of certain porosity is recognized and desirable by the disclosure of the present application. (Refer to [0033]) The rejections over JACKSON are maintained

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herein since the microscopic discontinuities of the polymeric material of the reference do not affect the continuity or smoothness of its outer or exposed surface when looked by the unaided eye. (Jackson, Col. 2, lines 32-34) Therefore, "visible irregularities" would not be created when roller painted since the discontinuities in the polymeric material are microscopic and are not visible by the unaided eye.

- 10. Applicant's arguments with respect to the prior art of ISHII et al. (US 6,281,277 B1), PENZ et al. (US 5,888,913) and MELBER et al. (US 4,898,892) have been considered but are moot in view of the new ground(s) of rejection.
- 11. Arguments with regards to the rejections under 35 U.S.C. 112, first paragraph and second paragraph have been considered, however, the Examiner maintains her position as stated in the Final Office Action mailed 08/30/2006
- 12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Norca L. Torres-Velazquez whose telephone number is 571-272-1484. The examiner can normally be reached on Monday-Thursday 8:00-5:00 pm and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on 571-272-1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Norca L. Torres-Velazquez/ Primary Examiner, Art Unit 1794

/N. L. T./